

# GHS SAFETY DATA SHEET - POLYLAST PRIMER COMPOUND PART A

## Safety Data Sheet

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELING OF CHEMICALS (GHS)

### POLYLAST PRIMER COMPOUND PART A

Version 1

Date 8/12/2014

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name:</b>	Polylast Primer - Compound Part A
<b>Other Means of Identification:</b>	Epoxy Adhesive part A
<b>Product Use:</b>	Epoxy adhesive used to prime substrates
<b>Trade Name:</b>	POLYLAST PRIMER - COMPOUND
<b>Company:</b>	Polylast Systems LLC 7432 Tierra Buena Lane, Suite# 105 Scottsdale, AZ 85260
<b>Phone Number:</b>	480-991-3033
<b>Emergency Telephone Number, 24 hours/day:</b>	Chemtrec 1-800-424-9300

#### SECTION 2. HAZARDS IDENTIFICATION

**OSHA Hazards:** Skin sensitizer, Irritant.

**GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE USING 29CFR 1910 (OSHA HCS)**

**GHS Physical Hazards:** None by GHS standards. Flash Point above 93C(199F). Material will not burn unless preheated.

**GHS Health and Environmental Hazards**

**Acute Toxicity**

**Dermal:** Category 5. Warning. May be harmful in contact with skin.

**Skin Corrosion:** Category 3. Warning. Causes mild skin irritation.

**Eye Irritation:** Category 2B. Warning. Causes eye irritation.

**Skin Sensitization:** Category 1B. Warning. May cause an allergic skin reaction. Symbol: Exclamation Mark.

**Target Organ Systemic Toxicity (TOST): Single Exposure:** Category 3. Warning. May cause respiratory irritation. Symbol: Exclamation Mark.

**Specific Target Organ Toxicity Repeated Exposure:** Category 2. Warning. May cause damage to skin through prolonged or repeated exposure. Symbol: Health Hazard.

**Environmental Hazards:** No data available.

**Aspiration Hazard: Signal Word:** Warning. Category 2. May be harmful if swallowed and enters airways. Symbol: Health Hazard.

**Emergency Overview:**

Warning! Harmful if swallowed.

Aspiration Hazard. Severe respiratory irritant. May be harmful if inhaled or absorbed through skin. Vapor harmful as both liquid and vapor. May affect skin. Causes irritation to skin, eyes and respiratory tract.

**Route of Entry:** Inhalation: yes. Skin: yes. Ingestion: yes.

**Carcinogenicity:** NTP: no. IARC: no. OSHA: no.

There are no chemicals that cause cancer present at a concentration greater than 0.1%.

**Reproductive Toxicity:** No data available.

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## Effects of Exposure:

Acute: Eye: Moderate to severe irritation, redness, tearing and blurred vision.

Skin: Prolonged/repeated exposure can cause moderate irritation, de-fatting and dermatitis.

Inhalation: Irritation to respiratory tract.

Ingestion: Toxic and harmful if swallowed.

Signs and Symptoms of Overexposure: Difficulty in breathing.

Health hazard: Aspiration of material into lungs can cause chemical pneumonia which can be fatal.

Medical Conditions Aggravated by Exposure: Asthma.

NFPA ratings (scale 0-4): Health-2, Fire-1, Reactivity-0.

HMIS ratings (scale 0-4): Health-2, Fire-1, Reactivity-0.

## GHS LABEL ELEMENTS



**Specific Target Organ Toxicity Repeated Exposure:** Category 2. Warning. May cause damage to skin through prolonged or repeated exposure.

**Aspiration Hazard: Signal Word:** Warning. Category 2. May be harmful if swallowed and enters airways.



**Skin Sensitization:** Category 1B. Warning. May cause an allergic skin reaction.

**Target Organ Systemic Toxicity (TOST): Single Exposure:** Category 3. Warning. May cause respiratory irritation.

Product identifier: POLYLAST PRIMER - Compound Part A

Signal word: Warning.

Hazard statements: Do not use around open flame or while smoking. Causes Skin and Eye Irritation. Do not breathe vapors or mist. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

## FIRST AID

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**SKIN:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes.

Wash clothing before reuse. Get medical attention if irritation develops and persists.

**HAZARDS:** Toxic if swallowed. May be fatal if swallowed and enters airways. Causes mild skin irritation.

## Hazard Statements

H301	Toxic if swallowed
H304	May be fatal if swallowed and enters airways.
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H320	Causes eye irritation
H335	May cause respiratory irritation

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## Precautionary Statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
P280 Wear protective gloves.  
P305 +P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. If present and easy to do. Continue rinsing.

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-Number	Weight %
Bisphenol A Diglycidyl Ether	25068-38-6	< 75%
Proprietary Ingredient	Proprietary	< 20%
Neopentyl Glycol Diglycidyl Ether	17557-23-2	< 20 %
Specialty Additives / Surface	Trade Secret	< 7%

## SECTION 4. FIRST-AID MEASURES

**Inhalation:** Remove victim to fresh air and provide oxygen if breathing is difficult. Get Medical attention.

**Skin Contact:** Remove contaminated clothing / shoes and wipe excess from skin. Flush skin with water. Follow by washing with soap and water. If irritation occurs, get medical attention.

**Eye Contact:** Flush eyes with plenty of water for 15 minutes while holding eyelids open. Rest eyes for 30 minutes. If redness, burning, blurred vision, or swelling persists, consult a physician.

**Ingestion:** Do not induce vomiting. Have victim rinse out mouth with water, and then drink sips of water to remove taste from mouth. In general, no treatment is necessary unless large quantities of product are ingested. However, get medical advice.

## SECTION 5. FIREFIGHTING MEASURES

### Suitable extinguishing Media:

Use water fog, foam, dry chemical or carbon dioxide.

### Specific hazards during firefighting:

Material will not burn unless preheated. Evacuate the area of all non-essential personnel. Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure. Cool fire exposed containers with water.

### Special protective equipment for fire fighters:

Do not enter confined fire space without full bunker gear (helmet with face shield, bunker cots, gloves and rubber boots) including a positive pressure NIOSH approved self-contained breathing apparatus.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** May burn although not readily ignitable. Use cautious judgment when cleaning up large spills. Shut off leaks, if possible without personal risk.

**Environmental Precautions:**

Dike and contain. Contain run-off and dispose of properly. Remove contaminated soil to remove contaminated trace residues. Prevent from entering into drains, ditches or rivers.

**Clean up methods – small spillage:**

Take up with an absorbent material and place in non-leaking containers. Seal tightly for proper disposal.

**Clean up methods – large spillage:**

Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand, or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue.

**Additional Advice:** Notify authorities if any exposures to the general public or environment occurs or is likely to occur. See section 13 for information on disposal.

## SECTION 7. HANDLING AND STORAGE

**Advice on safe handling:**

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Containers, even those that have been emptied can contain hazardous product residues. Surfaces that are sufficiently hot may ignite even liquid product in the absence of sparks or flame. **WARNING:** Toxic and harmful if swallowed. May cause skin sensitization. Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Launder contaminated clothing before reuse. Contaminated leather articles, including shoes, cannot be decontaminated and should be destroyed to prevent reuse.

**Requirements for storage areas and containers:**

Store in a cool dry place with adequate ventilation. Keep away from open flames and high temperatures. Keep containers closed when not in use.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	CAS Number	OSHA-PEL
Bisphenol A Diglycidyl Ether	25068-38-6	None established
Proprietary Ingredient	Proprietary	Not found
Neopentyl Glycol Diglycidyl Ether	17557-23-2	None established
Specialty Additives / Surface	Trade Secret	Not found

**Protective Measures:**

Wear appropriate respirator and protective clothing.

**Engineering Measures:**

Adequate ventilation to control airborne concentrations. Eye wash fountains and safety showers should be available for emergency use.

**Eye Protection:**

Avoid contact with eyes. Wear chemical goggles.

**Skin and body protection:**

Avoid prolonged or repeated contact with skin. Wear chemical resistant gloves and other clothing as required minimizing contact.

**Respiratory protection:**

Avoid breathing vapor or mists. Use a NIOSH approved respirator as required to prevent overexposure. In accord with 29 CFR 1910.134, the types of respirators to be considered include: Air-Purifying Respirator for Organic Vapors. Full-Face Supplied-Air Respirator.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance and color:</b>	Clear liquid
<b>Odour:</b>	Mild petroleum
<b>Odour threshold:</b>	Mild
<b>pH:</b>	Not applicable
<b>Melting point/freezing point:</b>	Not determined
<b>Initial boiling point and boiling range:</b>	Not determined
<b>Flash Point, closed cup:</b>	>93C(199F)
<b>Evaporation Rate:</b>	Slower than ether
<b>Flammability(solid, gas):</b>	Not applicable
<b>Upper/Lower flammability Limits</b>	Not determined
<b>Vapour pressure:</b>	Not determined
<b>Vapour density:</b>	Not determined
<b>Relative density (water):</b>	1.1
<b>Solubility (water):</b>	Negligible
<b>Partition coefficient: n-octanol/water:</b>	Not determined
<b>Auto-ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not determined
<b>Viscosity:</b>	Not determined

## SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Reacts with Amines and Amides exothermically to form a polymer.
<b>Chemical stability:</b>	Stable.
<b>Possibility of Hazardous reactions:</b>	Stable under normal use conditions. Hazardous polymerization will not occur.
<b>Conditions to avoid:</b>	Heat, flames and sparks. Avoid high temperatures.
<b>Incompatible Materials to Avoid:</b>	Can react vigorously with strong oxidizing agents, strong lewis or mineral acid, and strong mineral and organic bases, especially primary and secondary aliphatic amines. Reaction with some curing agents may produce considerable heat and possible violent decomposition.
<b>Hazardous decomposition Products:</b>	Oxides of Carbon.

## SECTION 11. TOXICOLOGICAL INFORMATION

<b>Likely routes of exposure:</b>	Oral, Dermal, Inhalation.
<b>Acute Oral toxicity:</b>	No data available
<b>Acute dermal toxicity:</b>	Expected to be of low toxicity, LD50>2000 mg/kg
<b>Acute Inhalation toxicity:</b>	No data available
<b>Chronic Health Hazard</b>	
<b>Mutagenicity:</b>	Not Determined
<b>Potential Health Effects:</b>	
<b>Inhalation:</b>	Not expected to be a relevant route of exposure, however, under conditions where exposure to vapors or mists is possible, could cause respiratory tract irritation.
<b>Skin:</b>	May be mildly irritating to the skin. May cause skin sensitization. Prolonged or repeated skin contact can cause defatting and drying of the skin which may result in a burning sensation and a dried, cracked appearance.
<b>Eyes:</b>	May be mildly irritating to the eyes.
<b>Ingestion:</b>	Toxic and harmful if swallowed.

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## Information on toxicological effects:

### Acute Toxicity: LD/LC50 values that are relevant for classification:

Chemical Name	CAS Number	LD50, mg/kg (oral) (rat)
Bisphenol A Diglycidyl Ether	25068-38-6	13,600
Proprietary Ingredient	Proprietary	Not found
Neopentyl Glycol Diglycidyl Ether	17557-23-2	4,500
Specialty Additives / Surface	Trade Secret	Not found

### Carcinogenic Categories:

Chemical Name	CAS Number	OSHA	ACGIH	IARC	NTP
Bisphenol A Diglycidyl Ether	25068-38-6	No	No	No	No
Proprietary Ingredient	Proprietary	Not found	Not found	Not found	Not found
Neopentyl Glycol Diglycidyl Ether	17557-23-2	No	No	No	No
Specialty Additives / Surface	Trade Secret	Not found	Not found	Not found	Not found

## SECTION 12. ECOLOGICAL INFORMATION

### Elimination information (persistence and degradability)

Biodegradability: Not Determined.

### Ecotoxicity effects

Toxicity to fish: Not Determined

## SECTION 13. DISPOSAL CONSIDERATIONS

Product disposal: If this material becomes a waste, it would not be a hazardous waste by RCRA criteria (40 CFR 261). Place in an appropriate disposal facility in compliance with local and federal regulations.

## SECTION 14. TRANSPORT INFORMATION

UN Number: Non Regulated Plastic Liquid  
Hazard Class: None  
Land Transport: Not Regulated  
Transport by sea: Not Regulated  
Transport by air: Not Regulated

## SECTION 15. REGULATORY INFORMATION

SARA Hazard Categories (311/312): Immediate (Acute) Health Hazard. Delayed (chronic) Health Hazard

### TOXIC SUBSTANCES CONTROL ACT (TSCA) Inventory Status:

Some or all of this product's components are listed by TSCA Inventory of Chemical Substances

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

WARNING: This product contains less than 2ppm of Epichlorohydrin (106-89-8) which has been determined by the State of California to cause birth defects.

WARNING: This product contains less than 2ppm of Epichlorohydrin (106-89-8) which has been determined by the State of California to cause cancer.

WARNING: This product contains less than 6ppm of Phenyl glycidyl ether (122-60-1) which has been determined by the State of California to cause cancer.

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### SECTION 16. OTHER INFORMATION

Reference: Prepared in accordance with GHS, Globally Harmonized System of Classification and labelling of Chemicals.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.